

APX 7500 Mobile Radio Accessory Portfolio

Accessories for Motorola's APX™ Project 25
Multi-Band Mobiles



MOTOROLA

Motorola's most advanced mobiles deliver exceptional performance.

APX P25 Multi-Band Mobiles provide innovations that enhance safety and elevate performance.



Motorola's APX P25 Multi-band radios deliver exceptional performance by combining advanced voice and data technology driven by challenges of mission critical users. With the APX 7500, organizations can purchase one radio for instant multi-band communication – and streamline the expense of maintaining, installing, and operating multiple radios. These radios and accessories deliver exceptional performance by combining advanced voice and data technology with legendary Motorola quality.

Add-On. Optimize. Enhance.

To complement the APX 7500 mobile two-way radio, Motorola Original[®] accessories are specifically designed for mission critical communications. Every Motorola accessory is performance-matched for Motorola radios – designed, built and rigorously tested to the same quality standards as the APX radio. Agencies can be assured every product in this catalog perfectly complements the radio's performance. Many accessories from the Motorola XTL radios that utilize the O5 and O3 control heads can be reused – maximizing investment while maintaining the latest technology.

Plus, select accessories incorporate the new **IMPRES™ Smart Audio System** which provides enhanced communication between the radio and accessory optimizing the audio performance and assuring the highest quality communication. When an IMPRES accessory is attached to the radio, accessory identification is sent to the APX radio enabling the radio to optimize its output for each type of audio accessory. This results in more consistent output across all accessories. For example, the IMPRES Visor Microphone is able to pick up and transmit the user's voice consistently to the receiving user regardless of how close they are speaking into the microphone.



Audio Accessories

Keypad Microphone

Access critical features directly on the microphone. Navigational buttons and a full keypad allow users to navigate radio menus, dial phone numbers and send text messages. Three programmable buttons are available for additional customization.

HMN4079 Keypad Microphone

Palm Microphone

Sturdy and durable microphone that provides basic push-to-talk functionality for dependable communications.

HMN1090 Standard Palm Microphone

HMN1089 Water Resistant Palm Microphone

HMN1079 Water Resistant Palm Microphone for motorcycle mounted mobiles

HLN5391 Spare Microphone Hang-Up Clip

Microphone Extension Cables

Allow users to extend microphone cord length. Compatible with HMN1089 and HMN1090 only.

PMKN4033 Microphone Extension Cable – 10 feet

Telephone Handset

The telephone handset provides a flexible, discreet option when using a mobile radio for private conversations in a vehicular environment. The keypad model allows users to dial phone numbers and send text messages.

HMN4097 Telephone Keypad Handset

HKN1018 Hang Up Handset with Normal Armored Cable (Old Style)

HANDS-FREE AUDIO ACCESSORIES

IMPRES Visor Microphone

IMPRES technology optimizes audio communication despite the vehicle background noise. This small microphone mounts to vehicle's visor for convenient hands-free radio operation and safety while in a vehicle.

RMN5054 IMPRES Visor Microphone

Emergency Switches

These accessory switches interface with the visor microphone and enable users to send emergency messages to desktop consoles where signaling unit ID number is displayed and alarm is sounded.

HLN5113 Emergency Footswitch

HLN5131 Emergency Pushbutton

External Push-to-Talk Options

GLN7278 Footswitch Push-to-Talk

RLN5926 Push button Push-to-Talk

HMN4079



HMN1090



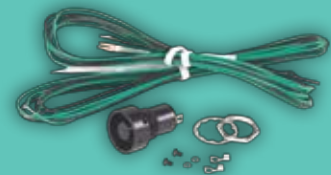
HKN1018



RMN5054



HLN5131



GLN7278



RMN5070



HPN4007



HLN6372



HKN6187



Control Stations, Trunions, Alarms & Cables

CONTROL STATION ACCESSORIES

Desktop Microphone and Tray

Users can conveniently convert an APX mobile into a basic base station. This is an ideal solution for dispatch and transportation users.

- RMN5070** Desktop Microphone
- HLN6042** Desktop Tray with Speaker
- HPN4007** Control Station Power Supply (110V, 15amps 25-60W rated)
- 3060665A04** 110V Line Cord

HARDWARE KITS

Trunion Kits

These hardware kits mount the mobile in the vehicle

- HLN7003** High Power Trunion Kit (Quick Release with Lock)
- HLN7002** Mid Power Trunion Kit (Standard Bracket Installation)
- HLN6372** Mid Power Trunion Lock

ALARMS

External Alarm Accessories

These accessories enable additional switching power when external accessories are attached.

- HKN4258** External Alarm Cable
- HLN6953** External Alarm Buzzer
- HLN6969** External Alarm Relays
- HLN1224** Auxiliary Switch Panel

CABLES

O3 Handheld Control Head Cables

- PMLN4958** O3 Handheld Control Head 17-foot Extension Cable - connects the O3 control head to the transceiver
- PMLN4959** O3 Handheld Control Head Accessory Cable - provides additional connections on the transceiver for mobile accessories

Control Head Accessory Cables

These cables connect the APX 7500 to the car battery

- HKN6187** Cable provides connections for control head power, speaker, headset jack
- HKN6188** Cable provides Control Head Power and Speaker

Programming Cables

- HKN6184** USB Cable, mobile microphone port (MMP) connection, for use with the customer programming software (CPS)
- HKN6163** 6-foot USB Cable, rear accessory port connection, dash mount installations, for use with the customer programming software (CPS)
- HKN6172** 15-foot USB Cable rear accessory port connection, remote mount installations, for use with the customer programming software (CPS)

Cables continued...

HKN4191

Power Cables

- HKN4191** 10-foot Mid Power Cable for dash mount installations
- HKN4192** 20-foot Mid Power Cable for remote mount installations
- HKN6110** 20-foot 100W Power Cable for high power remote mount installations
- HLN6863** Mid-Power Rear Ignition Cable for dash mount installations

Data Cables

- HKN6160** 6-foot RS232 Cable for rear accessory port, dash mount installations
- HKN6161** 20-foot RS232 Cable for rear accessory port, remote mount installations
- HKN6183** RS232 Cable for mobile microphone port (MMP)
- HKN6122** 22-foot RS232 Cable for J600 transceiver interconnect board (TIB)

Remote Mount Control Head Cables

Remote Mount cables enable users to separate the mobile control head from the transceiver. This is beneficial when there is limited space in the dash or console for the mobile.

- HKN6164** 131-Foot Remote Mount Cable
- HKN6165** 115-Foot Remote Mount Cable
- HKN6166** 75-Foot Remote Mount Cable
- HKN6167** 50-Foot Remote Mount Cable
- HKN6168** 30-Foot Remote Mount Cable
- HKN6169** 17-Foot Remote Mount Cable
- HKN6170** 10-Foot Remote Mount Cable
- HKN6186** Remote Control Head Trunion (bracket to mount control head)
- HKN6196** Remote Control Head Vehicular Interface Port (VIP) Connector for O5 Control Heads
- HLN6961** Remote Control Head Mobile Accessory Port (MAP) Connector for O5 Control Heads (rear connector)

Motorcycle Enclosures

Weather-resistant metal enclosure houses the radio on a motorcycle.

- HLN7022** Motorcycle Enclosure, Black
- HKN6032** Motorcycle Power Cable
- 3075217A01** Motorcycle Remote Cable for O5 Control Head

Miscellaneous Cables

- TKN8531** Keyloader Cable KVL3000
- HKN6182** Keyloader Adapter for mobile microphone port (MMP), 1.5" Cable



HSN4038



HSN4032



HSN6003



TDN6254



Speakers & Sirens

SPEAKERS

External Loudspeakers

Control station accessories that enable users to listen to radio communications in high noise environments. The 13 watt model provides the audio level needed for extreme noise environments.

- HSN4038** Water Resistant Speaker (7.5 Watt Rated Audio), Remote Mount
- HSN4040** Water Resistant Speaker (13 Watt Rated Audio), Remote Mount
- HSN6003** Water Resistant Motorcycle Speaker (13 Watt Rated Audio)
- HSN4031** Non Water-resistant Speaker (7.5 Watt Rated Audio)
- HSN4032** Non Water-resistant Speaker (13 Watt Rated Audio)

SIRENS

For Sirens and Public Address Kits

These external loudspeakers enable users to utilize the radio as a public address system.

- TDN6251** Siren Speaker, Round with Chrome Finish
- TDN6252** Siren Speaker, Rectangular with Chrome Finish
- TDN6253** Siren Speaker, Under Hood with Gray Finish
- TDN6254** Siren Speaker, Round with Gray Finish

Sirens/Direct Entry Keypads

Direct Entry Keypads give users the ability to transmit short messages or operate mode functions such as opening a door or activating a siren via the mobile radio.

- H1338** Status/Message Direct Entry Keypad – 8 button
- H1339** Status/Message Direct Entry Keypad – 16 button
- H1615** Mode Direct Entry Keypad – 8 button
- H1616** Mode Direct Entry Keypad – 24 button
- H1336** Siren/Public Address Kit with Direct Entry Keypad – 8 Button
This siren/public address kit provides controlled tones for hi/low, yelp and airhorn through supplemental housing. This kit works with the O5 Control Head only.
- HLN1439** Mobile Siren
- HLN1338** Direct Entry Keypad Siren PA
- HLN6819** Siren Switchbox
- HKN6146** Siren Cable, connects the O3 siren to switchbox
- HKN6145** Siren Cable to Direct Entry Keypad for APX mobiles with the O3 handheld control head
- HKN6189** Direct Entry Keypad Cable Adapter - adapts XTL configurations to APX mounting configurations

Antennas

If the mobile is programmed with multiple RF bands, one mobile antenna is required for each band. Each frequency band has its own RF port.

THROUGH-HOLE MOUNT ANTENNAS

VHF Antennas

HAD4006	136-144 MHz 1/4 Wave
HAD4007	144-150.8 MHz 1/4 Wave
HAD4008	150.8-162 MHz 1/4 Wave
HAD4009	162-174 MHz 1/4 Wave
HAD4016	136-162 MHz 1/4 Wave
HAD4017	146-174 MHz 1/4 Wave
RAD4010ARB	136-174 MHz 3.0dB Gain
HAD4021	136-174 MHz Wideband

700 - 800 MHz Antennas

HAF4013	762-870 MHz 3dB Gain Low Profile
HAF4014	762-870 MHz 3dB Gain Elevated Feed
HAF4016	762-870 MHz 1/4 Wave Through-hole Mount
HAF4017	762-870 MHz 3dB Gain Collinear Through-hole Mount

Motorcycle Mount Antennas

RAD4002	VHF, 136-144 MHz 1/4 Wave
RAD4003	VHF, 144-150.8 MHz 1/4 Wave
RAD4004	VHF, 150.8-162 MHz 1/4 Wave
RAD4005	VHF, 162-174 MHz 1/4 Wave
HAF4015	700/800 MHz, 762-870 MHz 3dB Gain
HAF4018	700/800 MHz, 762-870 MHz Low Profile

GPS Antennas

A separate GPS antenna is required in addition to the mobile RF antenna if GPS capability is required.

HAG4000	GPS Roof Mount Antenna
HAG4001	GPS Motorcycle Antenna
PMAN4001	GPS Glass Mount Antenna

HAD4006



HAD4008



HAD4009



HAG4000



HAG4001



PMAN4001



MOTOA⁴[™]

Mission Critical Portfolio

Technology That's Second Nature[™]

The APX[™] Mobile Two-Way Radios are part of the MOTOA4 Mission Critical Portfolio of products that offer seamless connectivity between first responders. Motorola puts real-time information in the hands of public safety personnel to provide better information that enables better decisions for better outcomes. It's Technology That's Second Nature.

APX P25 Multi-Band Radios

Additional information and resources such as product information, brochures, and white papers are available on the APX product website found at [**motorola.com/apx**](http://motorola.com/apx).

> motorola.com/apx



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